

GASCONADE RIVER BASIN

06930450 BIG PINEY RIVER AT DEVIL'S ELBOW, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°50'53", long 92°03'44, in SE 1/4 NE 1/4 sec.18, T.36 N., R.10 W., Pulaski County, Hydrologic Unit 1929020, at bridge on County Highway V at Devil's Elbow.

PERIOD OF RECORD.--July 1977 to October 1989, November 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECA, 0.7 µm-MF (COLS./100 mL) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS./100 mL) (31673)	ALKALINITY, WAT WH TOT FET FIELD (mg/L as CaCO ₃) (00410)
NOV 1996											
27...	1015	4200	5.5	185	7.60	11.4	89	--	2100	2000	81
JAN 1997											
24...	1315	1480	6.5	324	8.02	10.9	89	<10	40	820	163
MAR											
17...	1400	2340	9.5	218	7.54	11.2	96	--	110	980	107
APR											
01...	1245	1030	12.5	257	8.11	9.7	89	--	44	580	124
JUN											
23...	1300	270	23.5	260	7.90	7.6	87	9	46	K17	126
AUG											
25...	0945	315	23.0	332	7.91	8.7	100	--	210	580	171
DATE		BICARBONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CARBONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITROGEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITROGEN, NITRITE TOTAL (mg/L as N) (00615)	NITROGEN, AMMONIA TOTAL (mg/L as N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOSPHORUS TOTAL (mg/L as P) (00665)	PHOSPHORUS TOTAL (mg/L as P) (70507)	HARDNESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
NOV 1996											
27...		98	0	0.620	0.010	0.020	0.47	0.030	0.050	--	--
JAN 1997											
24...		199	0	0.560	<0.010	0.040	0.25	<0.020	<0.010	170	35
MAR											
17...		129	0	0.470	<0.010	<0.010	0.32	0.020	<0.010	--	--
APR											
01...		152	0	0.130	<0.010	<0.010	<0.20	0.020	<0.010	--	--
JUN											
23...		157	0	0.240	<0.010	0.030	0.22	<0.020	0.020	130	26
AUG											
25...		210	0	0.200	<0.010	0.010	<0.20	<0.020	0.010	--	--
DATE		MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTASSIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE DIS-SOLVED (mg/L as SO ₄) (00945)	CHLORIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUORIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C (mg/L) (70300)	RESIDUE AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DIS-SOLVED (µg/L as Al) (01106)
JAN 1997											
24...		20	14	6.2	6.6	7.1	<0.10	176	6	150	<3.0
JUN											
23...		15	2.3	1.4	4.5	2.8	<0.10	148	16	230	31
DATE		CADMIUM TOTAL RECOVERABLE (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)	COPPER, DIS-SOLVED (µg/L as Cu) (01040)	IRON, DIS-SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGANESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 1997											
24...		<1	<1.0	2.4	8.0	3	<1.0	6.9	<0.10	20	12
JUN											
23...		<1	<1.0	<1.0	30	<1	<1.0	10	<0.10	<1	<1.0

K--Results based on colony count outside the acceptable range (non-ideal colony count).

